EIRL

Government of Karnataka

BBMP. Dasarahalli

Name of The Work:**Modified Estimate for Modified Estimate for Improvements & Asphalting to 9th cross & Other Roads in BhuvaneshwariNagar in Bagalagunte ward no. 14 T.Dasarahalli Sub Division**

Est.Cost: 45.00 Lakhs

Name of the Contractor : KRIDL **Work Code:**

Sl	Description of Item	Unit	Approximate Qty	Rate	Amount in Rupees	Weather Item Alternate to item in the Tender or they are Additional item (if in Lieu of the Same item in the Accepted tender such items should be Mentioned)	Weather Extra item is Included in the Sanction estimate	How the Extra Cost of Item is Propose to be met	Wheather Extra item is Included in the Shedules of Rate of Division if Not Data Sheet Should Accompany the Rate List	Remarks
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the isposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum	168.70	65.88	11114.00	Additional Item	Yes	Savings amount in the Estimate	YES	
2	For Grading- I Material Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications.	Cum	72.30	1060.56	76678.00	Additional Item	Yes	Savings amount in the Estimate	YES	
3	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	2184.00	2.59	5657.00	Additional Item	Yes	Savings amount in the Estimate	YES	

4	Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	96.40	1121.04	108068.00	Additional Item	Yes	Savings amount in the Estimate	YES	
5	Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications.	Sqm	2184.00	17.93	39159.00	Additional Item	Yes	Savings amount in the Estimate	YES	
6	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per pecifications.MORTH /Chapter 5 21.11.1 With 80/100 grade bitumen	Cum	36.15	6646.32	240264.00	Additional Item	Yes	Savings amount in the Estimate	YES	

7	Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver	Cum	**79.53**	**9631.44**	**765988.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
8	Carriage od Mixed materials 10Kms for Item	Cum	**115.68**	**56.16**	**6497.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
9	Earthwork in surface excavation in Hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cum	**33.90**	**90.72**	**3075.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
10	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the isposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum	**192.30**	**65.88**	**12669.00**	Additional Item	Yes	Savings amount in the Estimate	YES	

11	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	59.805	4290.84	256614.00	Additional Item	Yes	Savings amount in the Estimate	YES	
12	Providing and laying in position plain cement concrete of design mix M15 with OPC cement @320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS9103-1999 Reafirmed-2008, machine mixed, concrete laid in layers not blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	49.14	4779.00	234840.00	Additional Item	Yes	Savings amount in the Estimate	YES	
13	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	11.88	3549.96	42174.00	Additional Item	Yes	Savings amount in the Estimate	YES	
14	Providing and constructing granite / trap / basalt size stone masonry in basement with mud mortar, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	18.72	4227.12	79132.00	Additional Item	Yes	Savings amount in the Estimate	YES	

15	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.	Cum	**15.705**	**5843.88**	**91778.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
16	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Qtl	**6.48**	**7450.92**	**48282.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
17	Removing B.S Slab of drain and Stacking	Sqm	**432.00**	**50.11**	**21648.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
18	Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	**432.00**	**70.04**	**30257.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
19	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick	Sqm	**288.00**	**343.44**	**98911.00**	Additional Item	Yes	Savings amount in the Estimate	YES	

20	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	**640.00**	**924.48**	**591667.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
21	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. size 450 x 200 x 400 mm	Nos	**222.00**	**316.44**	**70250.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
22	Disposal of Debris to final place of disposal with all lead and lift and as direction by the Engineer-in-charge of the work, Lead 4km	Cum	**361.00**	**72.71**	**26248.00**	Additional Item	Yes	Savings amount in the Estimate	YES	
	Total Amount				**2860970.00**					

Assistant Engineer
W-14

ASSISTANT EXECUTIVE ENGINEER
Dassarahalli Sub-Division

EXECUTIVE ENGINEER
Dasarahalli Division